

Homework 1

1. Plot diurnal temperature curves for two cities of your choice over the course of a prototypical day for summer and winter conditions (warmest and coldest average months). Choose cities that have substantially different climates. Base your curve on average highs and lows obtained from a climate data website. Your x-axis should be time in hours, y-axis should be temperature.

2. Overlay the baseline temperatures for both residential and office uses onto each of the graphs:

<input type="checkbox"/>	<input type="checkbox"/>	TIME	SUMMER	WINTER
OFFICE	<input type="checkbox"/>	8 AM - 6 PM	76°F	72°F
	<input type="checkbox"/>	6 PM - 8 AM	80°F	68°F
RESIDENTIAL	<input type="checkbox"/>	10 AM - 4 PM	79°F	71°F
	<input type="checkbox"/>	4 PM - 10 AM	75°F	75°F

